

Muhammed Nifal C H

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Summary

Looking for a position as a software developer or related position which offers key participation, team oriented tasks, and career opportunity that helps me in broadening and enhancing my current skill and knowledge to serve organization.

Experience

IEEE R10 SAC

Webmaster | 01/2023 - Present

IEEE R10 PES SCC

Webmaster | 01/2023 - Present

IEEE YP EdSoc

Webmaster | 01/2023 - Present

IEEE MEA SB | Malappuram, Kerala

Outreach Coordinator | 01/2023 - Present

IEEE SPS Kerala Chapter | Kerala

Webmaster | 01/2022 - Present

Google India

Top Contributor | 12/2021 - Present

IEEE PES MEA SBC | Malappuram, Kerala

Vice Chairperson | 01/2022 - 12/2022

GoogleCloudReady Facilitator program

Google Cloud Community India | 04/2022 - 06/2022

Education

MEA Engineering College | Malappuram, Kerala

Engineering | 06/2024

- Currently completing graduation in information technology
- Current CGPA- 7.03

GHSS Pandikkad | Pandikkad, Kerala

Higher Secondary School | 03/2020

Completed my Higher Secondary education with 84% marks.

GHSS Pandikkad | Pandikkad, Kerala

Secondary School | 03/2018

Completed my Secondary School education with 95% marks.

Languages

English, Malayalam, Hindi

Skills

SQL, C Programming, Data Structure, Data Science, Computer Network(TCP/IP), HTML, CSS, JavaScript, Google cloud console, UI/UX Design, WordPress, Google Firebase, Flutter(Front-end), Video Editing, Time management, Communication skills, Object Oriented Programming(Java, Python), Cisco packet racer, Leadership, OpenCV, Yolo, Team work, Quick learner, Coordinator

Awards

- The recipient of the 5-MICC Contest prize at ICASSP 2023 was announced in Greece.
- An attendee of the IEEE R10 PES SBC Training Session held in Singapore.
- Eureka'22 Best Brand Ambassador.
EUREKA'22 is a STEM Program Organized by IEEE PUNE SECTION.
- Outstanding Membership Development Volunteer (Special Mention) IEEE MEA SB.

Project

- **Free parking space detection using yolov8 and opencv:**

A system using YOLOv8 and OpenCV detects and highlights empty parking spaces in real time, making parking easier, reducing traffic, and promoting sustainability in urban areas.

- **Rescue Robo System: Advancements in AI-Enabled Emergency Response Technology :**

AI robot uses advanced tech (rotor mobility, sensors, GPS, AI) for crises (fires, rescues, snake, trapped people). Assesses signals, collaborates with humans, gathers real-time data, integrates GPR, phone signals, imaging for people/threat detection. Promising results for life-saving disaster response.

- **Driver Alert and Autonomous Parking System :**

Revolutionary driver alert & autonomous parking system uses ML and image processing. Camera detects driver fatigue, alerts if needed. Transitions to autonomous mode during inactivity with sensors & OpenCV. Enhances road safety by preventing drowsy driving accidents.

- **Unlocking the Future, Biometric Signals :**

Current access systems using passwords face issues of unauthorized access. Multimodal biometric authentication enhances security. It combines multiple traits (speech, image) for accuracy. Signal and image processing refine data. Mobile phones use various biometrics (face, iris, voice). This approach boosts security and data confidentiality. Multibiometric systems are crucial for safety. Paper explores biometric levels, scenarios, signal processing, design challenges.

Extra Curriculum Activities

- IEEE
- IEDC
- ICFOSS
- XORIT

Programes Coordinated

- Event Organizer at IEEE PES India Chapter Leaders Meet , Gwalior (2023).
- Event Organizer at i5, flagship event of 5 different IEEE societies.
- The event coordinator for SIGNAL and FORUM the flagship event arranged by the IEEE SPS Kerala Chapter.
- Event organizer of all events under IEEE MEA SB.
- IEEE R10 Education Week(2023)
- Media Team volunteer for Signal 22 and Forum 22 events by IEEE SPS Kerala Chapter.